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Mount Pleasant, Wisconsin 53403
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15 June 2017

Mr. John Nordine
U.S. EPA Region 5
RCRA Enforcement and Compliance Assurance Branch (LU-9J)
77 West Jackson Boulevard
Chicago, Illinois 60604

Re: Central Wire, Union, Illinois RCRA CMI Monthly Progress Report for May 2017

Dear Mr. Nordine:

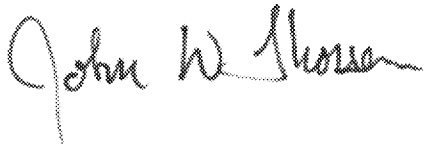
Enclosed please find the RCRA CMI Monthly Progress Report for the Central Wire facility located in Union, Illinois for May 2017.

This report includes the eDMR for the groundwater pump & treat facility and the laboratory analytical report, which includes the effluent data used in the eDMR.

If you have any comments or questions regarding the progress of this project, please contact me at (262) 237-1130.

Sincerely,

Autumnwood ESH Consultants, LLC



John W. Thorsen, P.E.

JWT:jt

encl

cc:	Joyce Munie	IEPA
	Robert Kay	USGS
	Gerald W. Ruopp	Central Wire
	Robert Johnson	Central Wire

MONTHLY PROGRESS REPORT
Central Wire Union, Illinois Site
May 2017

1 **Progress Made This Reporting Period** – In this reporting period Central Wire, Inc. (CWI) continued the operation and maintenance of the groundwater extraction and treatment (P&T) system. CWI treated an average of 542,000 gallons per day (GPD) with a maximum daily flow of 546,000 GPD. Table 1 lists the monthly P&T volumes from January 2015 through May 2017.

The monthly NPDES sample met effluent limitations for pH, 1,1,1-Trichloroethane (TCA), Trichloroethene (TCE) and Tetrachloroethene (PCE). The electronic Discharge Monitoring Report (eDMR) for the month is attached to this report.

The laboratory analytical report for the pump and treat effluent sample and the South Branch Nursery irrigation well sample noted that the samples were collected on May 17, 2017 and arrived at Test America Laboratory on May 18, 2017 at 3.3° C.

Over the month CWI personnel read the hour meter on the well pump motors for the Ex. 6 Personal Privacy (PP) Table 2 provides the results of this which are used in Table 3.

Table 2
Summary of 2017 Irrigation Pumping Hours per Week at Ex. 6 Personal Privacy (PP)
April 20 through May 30, 2017

Date of Hour Meter Reading (1)	Ex. 6 Personal Privacy (PP)				Hours of Irrigation Well Pumping/Week
	Hour Meter Reading	Hours Pumped	Hour Meter Reading	Hours Pumped	
4/20/2017	6550	0	4169	0	0
4/24/2017	6550	0	4169	0	0
5/1/2017	6550	0	4169	0	0
5/8/2017	6550	0	4174	5	5
5/15/2017	6550	0	4179	5	5
5/22/2017	6550	0	4182	3	3
5/30/2017	6550	0	4184	2	2
Totals		**0**		**15**	**15**

(1) Note: Pumps were put into storage after November 21.

On May 30, 2017, CWI personnel downloaded the data logger tracking the depth of the water in monitoring well DGW-2I in the field for the December to May groundwater level data to a laptop computer and reinserted the same data logger into the well.

The groundwater level monitoring data from downgradient monitoring well DGW-2I for the December to May 2017 groundwater levels and the May 2017 precipitation and irrigation well pumping over the month have been graphed / plotted and are attached to this report as Tables 3 and 4. Table 3 lists and plots the water levels from12/12/2016 to

5/30/2016. [Note: Temperature was a selected parameter measured once per day on its own line, thereby defaulting to the depth of the data logger – 790.93 feet, so ignore this line. Table 4 lists the water elevations from May 1 to May 30, 2017 and plots the water levels vs. precipitation and vs. hours of irrigation well pumping per week. In addition, the precipitation record are typically taken from the nearest recoding station which is in Marengo, about four miles away. There were no precipitation records from Marengo in May, so CWI utilized the precipitation records from Harvard, almost 14 miles away, but the next closest National Weather Service center.] The depth to water measured from the top of the well casing was 5.42 feet in DGW-2I on May 30, 2017. Therefore, there nominally was 24.92 feet of water above the data logger 30.34 ft. [depth of data logger] – 5.42 ft. [water level below top of casing].

The groundwater elevation during this period reached its highest level on May 3 at 817.046 feet above mean sea level. The groundwater elevation reached its low on May 24 (15:40) at 815.538 feet above mean sea level for a total variation over the month of 1.52 feet.

2 Summary of Validated Data and Results

Pump & Treat System NPDES Sampling

The monthly effluent sampling took place on May 17, 2017. The permit limitations and analytical results are shown in Table 5, below. There were no effluent limitation exceedances.

Table 5
Central Wire Union Illinois Pump & Treat Discharge Analytical Results

Parameter	Effluent Limitation (Daily Maximum) µg/L	Analytical Results, µg/L
1,1,1-Trichloroethane	20	< 0.38
Tetrachloroethene	20	< 0.37
Trichloroethene	20	0.56

The South Branch Nursery irrigation well was activated in May. Central Wire collected a sample on May 17, 2017. There were no detections.

The May 2017 NPDES analytical report is attached to this Monthly Progress Report and includes the results of the **Ex. 6 Personal Privacy (PP)** This report also has environmental analytical results for the North Pond and South Pond. These ponds are Illinois EPA-regulated seepage ponds for Central Wire's rinse waters from the annealing process, non-contact cooling water, boiler blowdown and storm water.

3 **Upcoming Events/Activities Planned** – Central Wire will continue to operate the existing remediation systems. Effluent samples will be collected, analyzed and reported as required in our NPDES permit.

Central Wire is preparing letters to IEPA and Ex. 6 Personal Privacy (PP) to determine the viability of the pump and discharge option.

Environmental samples will be collected from RCRA monitoring wells and selected residential wells on a six month cycle, usually in June and December.

Samples will continue to be collected at the Ex. 6 Personal Privacy (PP) every month when the irrigation pumps are operating, usually between April and October of each year. This is being done at the request of U.S. EPA. Pumping began in May in 2017.

4 **Anticipated Problem Areas and Recommended Solutions** – None.

5 **Key Personnel Changes** – None.

6 **Target and Actual Completion Dates** – This project has not deviated from the project schedule.